## SEQUENCE LISTING

|    | <110>                          | Inde                             | x Pharmaceu | iticals    |            |            |            |      |  |  |  |  |
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| 5  | <120>                          | 120> New Compound                |             |            |            |            |            |      |  |  |  |  |
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|    | <160>                          | 160> 23                          |             |            |            |            |            |      |  |  |  |  |
| 10 | <170>                          | > PatentIn version 3.1           |             |            |            |            |            |      |  |  |  |  |
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| 25 | cttccc                         | ctga                             | acagctctac  | aagcctggaa | aaaaataatg | tgctatttgg | tgagagatac | 120  |  |  |  |  |
|    | ttagaaa                        | aaat                             | tttatggcct  | tgagataaac | aaacttccag | tgacaaaaat | gaaatatagt | 180  |  |  |  |  |
| 30 | ggaaact                        | ttaa                             | tgaaggaaaa  | aatccaagaa | atgcagcact | tcttgggtct | gaaagtgacc | 240  |  |  |  |  |
| 50 | gggcaa                         | ctgg                             | acacatctac  | cctggagatg | atgcacgcac | ctcgatgtgg | agtccccgat | 300  |  |  |  |  |
|    | ctccato                        | catt                             | tcagggaaat  | gccagggggg | cccgtatgga | ggaaacatta | tatcacctac | 360  |  |  |  |  |
| 35 | agaatc                         | aata                             | attacacacc  | tgacatgaac | cgtgaggatg | ttgactacgc | aatccggaaa | 420  |  |  |  |  |
|    | gctttc                         | caag                             | tatggagtaa  | tgttaccccc | ttgaaattca | gcaagattaa | cacaggcatg | 480  |  |  |  |  |
| 40 | gctgaca                        | attt                             | tggtggtttt  | tgcccgtgga | gctcatggag | acttccatgc | ttttgatggc | 540  |  |  |  |  |
|    | aaaggt                         | ggaa                             | tcctagccca  | tgcttttgga | cctggatctg | gcattggagg | ggatgcacat | 600  |  |  |  |  |
|    | ttcgat                         | gagg                             | acgaattctg  | gactacacat | tcaggaggca | caaacttgtt | cctcactgct | 660  |  |  |  |  |
| 45 | gttcac                         | gaga                             | ttggccattc  | cttaggtctt | ggccattcta | gtgatccaaa | ggctgtaatg | 720  |  |  |  |  |
|    | ttcccc                         | acct                             | acaaatatgt  | cgacatcaac | acatttcgcc | tctctgctga | tgacatacgt | 780  |  |  |  |  |
| 50 | ggcatt                         | cagt                             | ccctgtatgg  | agacccaaaa | gagaaccaac | gcttgccaaa | tcctgacaat | 840  |  |  |  |  |
|    | tcagaa                         | ccag                             | ctctctgtga  | ccccaatttg | agttttgatg | ctgtcactac | cgtgggaaat | 900  |  |  |  |  |
|    | aagatc                         | tttt                             | tcttcaaaga  | caggttcttc | tggctgaagg | tttctgagag | accaaagacc | 960  |  |  |  |  |
| 55 | agtgtt                         | aatt                             | taatttcttc  | cttatggcca | accttgccat | ctggcattga | agctgcttat | 1020 |  |  |  |  |

|          | gaaattgaag c  | cagaaatca  | agtttttctt | tttaaagatg | acaaatactg | gttaattagc | 1080 |  |  |  |
|----------|---|------------|------------|------------|------------|------------|------|--|--|--|
|          | aatttaagac c  | agagccaaa  | ttatcccaag | agcatacatt | cttttggttt | tcctaacttt | 1140 |  |  |  |
| 5        | gtgaaaaaaa t  | tgatgcagc  | tgtttttaac | ccacgttttt | ataggaccta | cttctttgta | 1200 |  |  |  |
|          | gataaccagt a  | ittggaggta | tgatgaaagg | agacagatga | tggaccctgg | ttatcccaaa | 1260 |  |  |  |
| 10       | ctgattacca a  | gaacttcca  | aggaatcggg | cctaaaattg | atgcagtctt | ctattctaaa | 1320 |  |  |  |
|          | aacaaatact a  | ctatttctt  | ccaaggatct | aaccaatttg | aatatgactt | cctactccaa | 1380 |  |  |  |
|          | cgtatcacca a  | aacactgaa  | aagcaatagc | tggtttggtt | gttagaaatg | gtgtaattaa | 1440 |  |  |  |
| 15       | tggtttttgt t  | agttcactt  | cagcttaata | agtatttatt | gcatatttgc | tatgtcctca | 1500 |  |  |  |
|          | gtgtaccact a  | cttagagat  | atgtatcata | aaaataaaat | ctgtaaacca | taggtaatga | 1560 |  |  |  |
| 20       | ttatataaaa t  | acataatat  | ttttcaattt | tgaaaactct | aattgtccat | tcttgcttga | 1620 |  |  |  |
| 20       | ctctactatt a  | agtttgaaa  | atagttacct | tcaaagcaag | ataattctat | ttgaagcatg | 1680 |  |  |  |
|          | ctctgtaagt t  | gcttcctaa  | catccttgga | ctgagaaatt | atacttactt | ctggcataac | 1740 |  |  |  |
| 25       | taaaattaag t  | atatatatt  | ttggctcaaa | taaaattg   |            |            | 1778 |  |  |  |
| 30<br>35 | <pre>&lt;210&gt; 2 &lt;211&gt; 1790 &lt;212&gt; DNA &lt;213&gt; Murinae gen. sp. &lt;220&gt; &lt;221&gt; gene &lt;222&gt; (1)(1790) &lt;223&gt; SEQ ID NO.2; cDNA murine MMP-12, Genebank acc. no. M82831 &lt;400&gt; 2</pre> |            |            |            |            |            |      |  |  |  |
|          | atgaaatttc t  | catgatgat  | tgtgttctta | caggtatctg | cctgtggggc | tgctcccatg | 60   |  |  |  |
| 40       | aatgacagtg a  | atttgctga  | atggtacttg | tcaagatttt | atgattatgg | aaaggacaga | 120  |  |  |  |
|          | attccaatga c  | aaaaacaaa  | aaccaataga | aacttcctaa | aagaaaaact | ccaggaaatg | 180  |  |  |  |
| 45       | cagcagttct t  | tgggctaga  | agcaactggg | caactggaca | actcaactct | ggcaataatg | 240  |  |  |  |
| 43       | cacatecete g  | atgtggagt  | gcccgatgta | cagcatctta | gagcagtgcc | ccagaggtca | 300  |  |  |  |
|          | agatggatga a  | gcggtacct  | cacttacagg | atctataatt | acactccgga | catgaagcgt | 360  |  |  |  |
| 50       | gaggatgtag a  | ctacatatt  | tcagaaagct | ttccaagtct | ggagtgatgt | gactcctcta | 420  |  |  |  |
|          | agattcagaa a  | gcttcataa  | agatgaggct | gacattatga | tactttttgc | atttggagct | 480  |  |  |  |
| 55       | cacggagact t  | caactattt  | tgatggcaaa | ggtggtacac | tagcccatgt | tttttatcct | 540  |  |  |  |
|          | ggacctggta t  | tcaaggaga  | tgcacatttt | gatgaggcag | aaacgtggac | taaaagtttt | 600  |  |  |  |

|    | caaggcacaa   | acctcttcct | tgttgctgtt | catgaacttg | gccattcctt | ggggctgcag | 660  |  |  |
|----|--|------------|------------|------------|------------|------------|------|--|--|
|    | cattccaata   | atccaaagtc | aataatgtac | cccacctaca | gataccttaa | ccccagcaca | 720  |  |  |
| 5  | tttcgcctct   | ctgctgatga | catacgtaac | attcagtccc | tctatggagc | cccagtgaaa | 780  |  |  |
|    | ccccatcct  | tgacaaaacc | tagcagtcca | ccatcaactt | tctgtcacca | aagcttgagt | 840  |  |  |
| 10 | tttgatgctg   | tcacaacagt | gggagagaaa | atccttttct | ttaaagactg | gttcttctgg | 900  |  |  |
| 10 | tggaagcttc   | ctgggagtcc | agccaccaac | attacttcta | tttcttccat | atggccaagc | 960  |  |  |
|    | atcccatctg   | ctattcaagc | tgcttacgaa | attgaaagca | gaaatcaact | tttccttttt | 1020 |  |  |
| 15 | aaagatgaga   | agtactggtt | aataaacaac | ttagtaccag | agccacacta | tcccaggagc | 1080 |  |  |
|    | atatattccc   | tgggcttctc | tgcatctgtg | aagaaggttg | atgcagctgt | ctttgaccca | 1140 |  |  |
| 20 | cttcgccaaa   | aggtttattt | ctttgtggat | aaacactact | ggaggtatga | tgtgaggcag | 1200 |  |  |
| 20 | gagctcatgg   | accctgctta | ccccaagctg | atttccacac | acttcccagg | aatcaagcct | 1260 |  |  |
|    | aaaattgatg   | cagtcctcta | tttcaaaaga | cactactaca | tcttccaagg | agcctatcaa | 1320 |  |  |
| 25 | ttggaatatg   | acccctgtt  | ccgtcgtgtc | accaaaacat | tgaaaagtac | aagctggttt | 1380 |  |  |
|    | ggttgttagg   | aagaatgtag | tgaagggtgc | ttgctggttt | ttcagtttta | taagtatatt | 1440 |  |  |
| 30 | tattacatat   | tcactctatg | ctcagggtgt | aactatgtgg | caataatgta | acaggaaata | 1500 |  |  |
| 50 | aggggaggtg   | tacaggtcac | acacacatag | ttacacagaa | aagtgctttt | acaaaattaa | 1560 |  |  |
| 35 | cctcttttag   | gaacttttt  | cacttcattc | tattcttaat | tttgaaagtg | catggttcag | 1620 |  |  |
|    | aggccaactg   | gtttatctgt | aagttgtttt | ctaacaacct | tcaagtagaa | tattagaatt | 1680 |  |  |
|    | agaattactc   | tcttgtcttt | actgaaatgt | aacatgtttt | gttttcttta | aataattgaa | 1740 |  |  |
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| 20<br>25 | <220><br><221><br><222>          | 28<br>DNA<br>Artificial<br>misc_feature<br>(1)(28)<br>SEQ ID NO. 23; | alpha-actin | reverse | primer |  |    |
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|          |                                  |  |             |         |        |  |    |

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